

**Features:**

- True sine output wave
- Standalone metal case
- Synchronized output frequency with mains
- Auto battery charging
- Microprocessor control unit, output voltage THD < 5%
- Phase line transfer from input to output during mains mode
- Cold start
- Suitable with: resistance load, motor load, capacity load,
- LCD menu display
- Overcurrent protection 150% (450W, 900W)
- Eco mode, (standby mode 5W)
- 3-stage charging current, settable on LCD MENU
- Backup time according to connected AGM batteries
- Quick installation
- Low-frequency toroidal transformer

**Application:** PC computers, home wi-fi systems, lighting, garage gates, cctv, access control, heating control systems, measurement systems, motors.



## Technical parameters:




MODEL	IPS300-SIN-WM	IPS600-SIN-WM
Output power (apparent/active)	300VA/300W	600VA/600W
<b>INPUT</b>		
Rated input voltage	230Vac 175Vac – 290Vac	
Input frequency	50/60Hz ± 10% (auto-detect)	
<b>OUTPUT</b>		
Output voltage	Mains mode: 199Vac – 254Vac Battery mode: 230Vac +/-5%, THD max 5%	
Frequency	50/60Hz ± 10% (auto-detect)	
Output waveform	Pure sine wave	
Transfer time	3-10ms	
Output sockets	2pcs (CEE 7/3 Schuko)	
Efficiency	>80% (battery mode)	
Loads	Resistance, inductive, capacitive, rectifier	
Overload in mains mode	105% by 300s, 110% by 120s, 125% by 60s, 150% by 10s, transfer to BYPASS mode	
Overload in battery mode	105% by 300s, 110% by 60s, 125% by 10s, 150% by 0,7s, system shut-down	
<b>BATTERY</b>		
Working voltage	13,7V	
Charger current	1-15A* (domyślnie 10A)	1-30A* (domyślnie 20A)
Equalizing voltage	14,1 Vdc	
Floating voltage	13,5Vdc	
End of discharge (default)	10,2Vdc	
End of discharge level	9,6-11,5Vdc	
Suitable battery capacity	26....400Ah	
Battery wires length	0,5m	
Battery wires cross-section	6mm <sup>2</sup> , M10	
<b>PROTECTIONS</b>		
Full protections	Overload, overcurrent, thermal, battery protection	
<b>ENVIRONMENT</b>		
Humidity	20~90% RH @ 0~40°C (non-condensating)	
Noise level	Depend on load	
<b>DIMMENSION &amp; WEIGHT</b>		
Weight netto/brutto (kg)	8,3/9,3	10,5/11,3
Lenght/width/height (mm) w / d / h	400x210x127	
Box lenght/width/height (mm)	490x290x195	

\*selectable from LCD MENU, need to adjust depend on AGM battery capacity. Best is 0,1\*C<sub>20</sub>.

**Standard accessories:**

- User manual
- Supply cable

**Additional accessories:**

<p>- AGM battery</p>  	<p><b>GLP 26-12</b> <b>GLP 33-12</b> <b>GLP 40-12</b> <b>GLP 55-12</b> <b>GLP 65-12</b> <b>GLP 80-12</b> <b>GLP 100-12</b> <b>GLP 120-12</b> <b>GLP 150-12</b> <b>GLP 200-12</b></p>	<p><b>MW 26-12</b> <b>MW 33-12</b> <b>MW 40-12</b> <b>MW 55-12</b> <b>MW 65-12</b> <b>MW 80-12</b> <b>MW 100-12</b> <b>MW 120-12</b> <b>MW 150-12</b> <b>MWL 200-12</b></p>	
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**Estimate backup time for 250W output**

GLP 26-12	GLP 33-12	GLP 40-12	GLP 55-12	GLP 65-12
20min	30min	40min	55min	1,5h
GLP 80-12	GLP 100-12	GLP 120-12	GLP 150-12	GLP 200-12
2h	2,5h	3h	3,5h	5h

